

| L Number | Hits | Search Text  | DB                              | Time stamp       |
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| -        | 234  | (automat\$4 and (retransmi\$ or transmi\$) or ARQ) and request and (predetermin\$4 or determin\$4 or pre-determin\$4) and (packet\$ or packag\$) and ((quality and servic\$4) or QoS) and NAK and rate   | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/10/20 15:15 |
| -        | 160  | (automat\$4 and (retransmi\$ or transmi\$) or ARQ) and request and (predetermin\$4 or determin\$4 or pre-determin\$4) and (packet\$ or packag\$) and ((quality and servic\$4) or QoS) and NAK and rate and (radio or wireless)   | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/10/20 15:16 |
| -        | 38   | (automat\$4 and (retransmi\$ or transmi\$) or ARQ) and request and (predetermin\$4 or determin\$4 or pre-determin\$4) and (packet\$ or packag\$) and ((quality and servic\$4) or QoS) and NAK and rate and (radio or wireless) and (raio adj link adj protocol or RLP) | USPAT;<br>US-PGPUB;<br>EPO; JPO | 2003/10/20 15:17 |

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|----|-------------------------------------|--------------------------|--------------------------|--------------------------|-------------------|------------|-------|--|------------|
| 1  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030185181 A1 | 20031002   | 28    | SYSTEM AND METHOD FOR INCREMENTAL REDUNDANCY TRANSMISSION IN A COMMUNICATION SYSTEM  | 370/337    |
| 2  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030133408 A1 | 20030717   | 14    | Apparatus, and associated method, for communicating frame-formatted data at a selected QoS level in a radio communication system | 370/230    |
| 3  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030131303 A1 | 20030710   | 30    | Reverse transmission apparatus and method for improving transmission throughput in a data communication system                   | 714/755    |
| 4  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030125035 A1 | 20030703   | 16    | Burst scheduling in a wireless communication system  | 455/450    |
| 5  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030112759 A1 | 20030619   | 8     | Physical layer assisted retransmission   | 370/236    |
| 6  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030076810 A1 | 20030424   | 14    | Method and system for improving data throughput  | 370/349    |
| 7  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030067920 A1 | 20030410   | 27    | RADIO LINK PROTOCOL FRAME SORTING MECHANISM FOR DYNAMIC CAPACITY WIRELESS DATA CHANNELS  | 370/394    |
| 8  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030067907 A1 | 20030410   | 15    | Method and system for efficient and reliable data packet transmission  | 370/349    |
| 9  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030053435 A1 | 20030320   | 20    | Enhanced channel interleaving for optimized data throughput  | 370/342    |
| 10 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030036400 A1 | 20030220   | 30    | Method and apparatus for time-based reception of transmissions in a wireless communication system                                | 455/515    |
| 11 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030036399 A1 | 20030220   | 26    | Method and apparatus for time-based reception of transmissions in a wireless communication system                                | 455/515    |
| 12 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030035440 A1 | 20030220   | 26    | Method and apparatus for message segmentation in a wireless communication system   | 370/473    |
| 13 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030012149 A1 | 20030116   | 41    | System and method for providing group communication services   | 370/260    |
| 14 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030007466 A1 | 20030109   | 14    | Method and apparatus for predictive scheduling in a bi-directional communication system  | 370/328    |
| 15 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20020191544 A1 | 20021219   | 12    | Method and system for interlayer control between re-sequencing and retransmission entities                                       | 370/236    |

|    | Current XRef                                  | Retrieval Classif | Inventor                           | S                                   | C                        | P                        | Image Doc. Displayed | PT                       |
|----|---|-------------------|------------------------------------|-------------------------------------|--------------------------|--------------------------|----------------------|--------------------------|
| 1  | 370/347;<br>370/349                           |                   | BALACHANDRAN, KRISHNA et al.       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030185181       | <input type="checkbox"/> |
| 2  | 370/338;<br>370/348;<br>370/395.2;<br>370/468 |                   | Cheng, Mark W. et al.              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030133408       | <input type="checkbox"/> |
| 3  |   |                   | Kim, Min-Goo et al.                | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030131303       | <input type="checkbox"/> |
| 4  | 455/451;<br>455/462                           |                   | Khafizov, Farid T. et al.          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030125035       | <input type="checkbox"/> |
| 5  | 370/349                                       |                   | Zhang, Hang et al.                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030112759       | <input type="checkbox"/> |
| 6  | 370/394                                       |                   | Rezaiifar, Ramin et al.            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030076810       | <input type="checkbox"/> |
| 7  |   |                   | REZAIIFAR, RAMIN et al.            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030067920       | <input type="checkbox"/> |
| 8  |   |                   | Rezaiifar, Ramin et al.            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030067907       | <input type="checkbox"/> |
| 9  | 370/347                                       |                   | Sindhushayana, Nagabhushana et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030053435       | <input type="checkbox"/> |
| 10 |   |                   | Casaccia, Lorenzo                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030036400       | <input type="checkbox"/> |
| 11 | 455/517                                       |                   | Casaccia, Lorenzo et al.           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030036399       | <input type="checkbox"/> |
| 12 | 370/328                                       |                   | Casaccia, Lorenzo et al.           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030035440       | <input type="checkbox"/> |
| 13 |   |                   | Maggenti, Mark et al.              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030012149       | <input type="checkbox"/> |
| 14 | 370/412                                       |                   | Chen, Tao                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20030007466       | <input type="checkbox"/> |
| 15 | 370/394                                       |                   | Cheng, Mark W. et al.              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20020191544       | <input type="checkbox"/> |

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| 16 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20020172192 A1 | 20021121   | 27    | ARQ parameter retransmission control for variable data rate channels                             | 370/352    |
| 17 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20020167907 A1 | 20021114   | 19    | Method and apparatus for power control in a wireless communication system                        | 370/252    |
| 18 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20020154610 A1 | 20021024   | 21    | Reverse link channel architecture for a wireless communication system                            | 370/329    |
| 19 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20020089958 A1 | 20020711   | 60    | POINT-TO-POINT PROTOCOL ENCAPSULATION IN ETHERNET FRAME  | 370/338    |
| 20 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6625133 B1     | 20030923   | 48    | System and method for link and media access control layer transaction initiation procedures      | 370/329    |
| 21 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6618375 B2     | 20030909   | 27    | Radio link protocol frame sorting mechanism for dynamic capacity wireless data channels          | 370/394    |
| 22 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6611515 B1     | 20030826   | 45    | System and method for link and media access control layer transaction completion procedures      | 370/349    |
| 23 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6608818 B1     | 20030819   | 17    | Radio link protocol enhancements to reduce setup time for data calls                             | 370/252    |
| 24 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6581176 B1     | 20030617   | 12    | Method for transmitting control frames and user data frames in mobile radio communication system | 714/749    |
| 25 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6577643 B1     | 20030610   | 59    | Message and communication system in a network  | 370/466    |
| 26 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6542490 B1     | 20030401   | 11    | Data link control protocol for 3G wireless system  | 370/338    |
| 27 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6512754 B2     | 20030128   | 58    | Point-to-point protocol encapsulation in ethernet frame  | 370/338    |
| 28 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6507582 B1     | 20030114   | 15    | Radio link protocol enhancements for dynamic capacity wireless data channels                     | 370/394    |
| 29 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6477150 B1     | 20021105   | 39    | System and method for providing group communication services in an existing communication system | 370/312    |

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| 16 | 370/477   |                   | Hunzinger, Jason F. et al.      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20020172192       | <input type="checkbox"/> |
| 17 | 370/333;<br>370/335                                     |                   | Sarkar, Sandip et al.           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20020167907       | <input type="checkbox"/> |
| 18 | 370/252   |                   | Tiedemann, Edward G. JR. et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20020154610       | <input type="checkbox"/> |
| 19 | 370/340   |                   | FEDER, PERETZ et al.            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 20020089958       | <input type="checkbox"/> |
| 20 | 370/345;<br>370/469                                     |                   | Balachandran, Krishna et al.    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6625133           | <input type="checkbox"/> |
| 21 | 370/470   |                   | Rezaiifar, Ramin et al.         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6618375           | <input type="checkbox"/> |
| 22 | 370/229;<br>714/748                                     |                   | Balachandran, Krishna et al.    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6611515           | <input type="checkbox"/> |
| 23 | 370/320;<br>370/441;<br>370/466                         |                   | Abrol, Nischal et al.           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6608818           | <input type="checkbox"/> |
| 24 | 370/320;<br>370/474                                     |                   | Seo, Chang Keun                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6581176           | <input type="checkbox"/> |
| 25 | 370/328   |                   | Rai, Girish et al.              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6577643           | <input type="checkbox"/> |
| 26 | 370/469;<br>714/712                                     |                   | Ahmadvand, Nima et al.          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6542490           | <input type="checkbox"/> |
| 27 | 370/331;<br>370/352;<br>455/418;<br>455/557;<br>709/225 |                   | Feder, Peretz et al.            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6512754           | <input type="checkbox"/> |
| 28 | 370/252;<br>370/335;<br>370/342                         |                   | Abrol, Nischal                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6507582           | <input type="checkbox"/> |
| 29 | 370/462   |                   | Maggenti, Mark et al.           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6477150           | <input type="checkbox"/> |

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| 30 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6421714 B1 | 20020716   | 58    | Efficient mobility management scheme for a wireless internet access system                     | 709/217    |
| 31 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6414950 B1 | 20020702   | 61    | Sequence delivery of messages  | 370/338    |
| 32 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6400724 B1 | 20020604   | 13    | Method and apparatus for efficient data transmission in a voice-over-data communication system | 370/429    |
| 33 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6400722 B1 | 20020604   | 59    | Optimum routing system   | 370/401    |
| 34 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6393482 B1 | 20020521   | 60    | Inter-working function selection system in a network   | 709/225    |
| 35 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6389034 B1 | 20020514   | 24    | System for providing stream based and packet based services                                    | 370/441    |
| 36 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6377982 B1 | 20020423   | 59    | Accounting system in a network   | 709/217    |
| 37 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6208620 B1 | 20010327   | 13    | TCP-aware agent sublayer (TAS) for robust TCP over wireless                                    | 370/231    |
| 38 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 5621723 A  | 19970415   | 9     | Power control in a CDMA network  | 370/335    |

|    | Current XRef  | Retrieval Classif | Inventor                   | S                                   | C                        | P                                   | Image Doc. Displayed | PT                                  |
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| 30 | 455/422.1;<br>455/432.2;<br>709/225;<br>709/238;<br>709/250 |                   | Rai, Girish et al.         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | US 6421714           | <input type="checkbox"/>            |
| 31 | 370/352   |                   | Rai, Girish et al.         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | US 6414950           | <input type="checkbox"/>            |
| 32 | 370/412   |                   | Yao, Yu-Dong               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6400724           | <input checked="" type="checkbox"/> |
| 33 | 370/410;<br>709/229   |                   | Chuah, Mooi et al.         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | US 6400722           | <input type="checkbox"/>            |
| 34 | 709/217;<br>709/238;<br>709/245                             |                   | Rai, Girish et al.         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | US 6393482           | <input type="checkbox"/>            |
| 35 | 370/445;<br>370/479   |                   | Guo, Ning et al.           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | US 6389034           | <input type="checkbox"/>            |
| 36 |   |                   | Rai, Girish et al.         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | US 6377982           | <input type="checkbox"/>            |
| 37 | 370/310;<br>370/469   |                   | Sen, Sanjoy et al.         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | US 6208620           | <input type="checkbox"/>            |
| 38 | 375/140;<br>455/522   |                   | Walton, Jr., Jay R. et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | US 5621723           | <input type="checkbox"/>            |